

Comparisons of Job Characteristics

Focus Occupation: [Chemical Equipment Operators and Tenders \(51-9011\)](#)

Associated Occupation: [Gas Compressor and Gas Pumping Station Operators \(53-7071\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 82

Focus Occupation: Chemical Equipment Operators and Tenders (51-9011)
Associated Occupation: Gas Compressor and Gas Pumping Station Operators (53-7071)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mechanical	6.8	16.8	9.8	<<	Extensive education and/or training may be required
Public Safety and Security	6.9	11.8	8.8	<<	Extensive education and/or training may be required
Production and Processing	6.0	10.1	8.4	<	Expanded education and/or training may be required
Physics	4.3	9.2	3.5	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 83

Focus Occupation: Chemical Equipment Operators and Tenders (51-9011)
Associated Occupation: Gas Compressor and Gas Pumping Station Operators (53-7071)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Operation Monitoring	6.6	12.6	12.9	0	Current skill level may be sufficient
Operation and Control	5.4	11.6	11.6	0	Current skill level may be sufficient
Equipment Maintenance	3.5	9.7	6.2	<<	Extensive development of skills in this area may be required
Repairing	3.4	9.6	5.4	<<	Extensive development of skills in this area may be required
Quality Control Analysis	5.9	9.5	8.3	<	A higher skill level may be required
Troubleshooting	4.5	9.0	7.1	<	A higher skill level may be required
Equipment Selection	3.3	5.8	5.3	0	Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 90			
Focus Occupation: Chemical Equipment Operators and Tenders (51-9011) Associated Occupation: Gas Compressor and Gas Pumping Station Operators (53-7071)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Arm-Hand Steadiness	6.8	10.4	9.5	0	Current ability level may be sufficient
Finger Dexterity	7.6	10.3	8.4	<	Some improvement in abilities may be required
Multilimb Coordination	6.0	10.3	10.8	0	Current ability level may be sufficient
Manual Dexterity	6.5	10.2	8.4	<	Some improvement in abilities may be required
Perceptual Speed	7.4	10.1	11.4	>	Current ability level is likely sufficient
Auditory Attention	5.9	10.0	9.3	0	Current ability level may be sufficient
Reaction Time	4.8	9.2	9.7	0	Current ability level may be sufficient
Rate Control	3.8	8.4	9.1	0	Current ability level may be sufficient
Hearing Sensitivity	5.6	8.2	7.3	<	Some improvement in abilities may be required
Response Orientation	4.0	7.6	7.7	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 90
Focus Occupation: Chemical Equipment Operators and Tenders (51-9011) Associated Occupation: Gas Compressor and Gas Pumping Station Operators (53-7071)		
Work Activities	Exclusivity of Activity	
Adjust production equipment/machinery setup	25	
Clean equipment or machinery	20	
Maintain consistent production quality	50	
Maintain or repair industrial or related equipment/machinery	39	
Maintain production or work records	19	
Monitor production machinery/equipment operation to detect problems	27	
Operate chemical processing equipment	77	
Operate power driven pumps	66	
Perform safety inspections in manufacturing or industrial setting	33	
Use hand or power tools	2	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

Focus Occupation: Chemical Equipment Operators and Tenders (51-9011)
Associated Occupation: Gas Compressor and Gas Pumping Station Operators (53-7071)

Tools and Technologies	Exclusivity
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Tools and technology data is unavailable for one or both occupations.	
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Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.